

I claim:

1. A speed limiting system for a vehicle comprising:
 - (a) sensor for detecting tire failure;
 - 5 (b) signal generator to transmit a signal indicating tire failure;
 - (c) speed limiter for controlling vehicle speed to receive said signal, and limit vehicle speed according to;
 - (d) a selected speed profile which goes from an initial higher speed to a lower speed.
- 10 2. The system of claim 1, wherein the sensor detects conditions selected from the group consisting of: tire inflation pressure, temperature, noise, vibration, and rolling diameter of the tire.
- 15 3. The system of claim 2, wherein the sensor is a tire pressure sensor.
4. The system of claim 3, wherein the sensor is selected from the group consisting of: (a) a sensor for directly measuring tire pressure; and (b) a sensor for indirectly measuring tire pressure through the anti-lock braking system.
- 20 5. The system of claim 1, wherein the profile is selected from the group consisting of:
 - (a) profile for a pneumatic tire including an annular insert intended to support said tire in the event of pressure loss;
 - 25 (b) profile for a pneumatic tire including a thickened sidewall intended to support said tire in the event of pressure loss; and
 - (c) a default profile.
6. The system of claim 1, wherein the signal includes information identifying
30 specific mileage and speed capabilities of the tire.

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7. The system of claim 1, wherein the signal includes information on the position of the tire on the vehicle.